# B85-PLUS

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|---|---|
| **CPU** | Intel® Socket 1150 for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors<br>Supports Intel® 22 nm CPU<br>Supports Intel® Turbo Boost Technology 2.0<br>* The Intel® Turbo Boost Technology 2.0 support depends on the CPU types.<br>* Refer to www.asus.com for CPU support list |
| **Chipset** | Intel® B85 |
| **Memory** | 4 x DIMM, Max. 32GB, DDR3 1600/1333/1066 MHz Non-ECC, Un-buffered Memory<br>Dual Channel Memory Architecture<br>Supports Intel® Extreme Memory Profile (XMP)<br>* Hyper DIMM support is subject to the physical characteristics of individual CPUs.<br>* Refer to www.asus.com for the Memory QVL (Qualified Vendors Lists).<br>* Due to Intel® chipset limitation, DDR3 1600 MHz and higher memory modules on XMP mode will run at the maximum transfer rate of DDR3 1600 Mhz. |
| **Graphic** | Integrated Graphics Processor<br>Multi-VGA output support : DVI/RGB ports<br>- Supports DVI with max. resolution 1920 x 1200 @ 60 Hz<br>- Supports RGB with max. resolution 1920 x 1200 @ 60 Hz<br>Maximum shared memory of 1024 MB<br>Supports Intel® InTru™ 3D, Quick Sync Video, Clear Video HD Technology, Insider™ |
| **Multi-GPU Support** | Supports AMD Quad-GPU CrossFireX™ Technology |
| **Expansion Slots** | 1 x PCIe 3.0/2.0 x16 (x16 mode, yellow)<br>1 x PCIe 2.0 x16 (x4 mode, dark brown)<br>2 x PCIe 2.0 x1<br>3 x PCI |
| **Storage** | **Intel® B85 chipset :**<br>4 x SATA 6Gb/s port(s), yellow<br>2 x SATA 3Gb/s port(s), dark brown<br>Supports Intel® Rapid Start Technology, Intel® Smart Connect Technology [1] |
| **LAN** | Realtek® 8111G, 1 x Gigabit LAN Controller(s) |
| **Audio** | Realtek® ALC887 8-Channel High Definition Audio CODEC [2]<br>- Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking |

USB Ports    **Intel® B85 chipset :**

4 x USB 3.0/2.0 port(s) (2 at back panel, blue, 2 at mid-board)

**Intel® B85 chipset :**

8 x USB 2.0/1.1 port(s) (4 at back panel, black, 4 at mid-board)

Special Features **ASUS 5X Protection :**

- ASUS DIGI+ VRM - 4 Phase digital power design

- ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention

- ASUS ESD Guards - Enhanced ESD protection

- ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability

- ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating

**ASUS EPU :**

- EPU

**ASUS Exclusive Features** :

- GPU Boost

- AI Suite 3

- Ai Charger

- Anti-Surge

- ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface

- Network iControl

- USB 3.0 Boost

- Disk Unlocker

**ASUS Quiet Thermal Solution** :

- Stylish Fanless Design Heat-sink solution

- ASUS Fan Xpert 2

**ASUS EZ DIY :**

- ASUS CrashFree BIOS 3

- ASUS EZ Flash 2

**ASUS Q-Design :**

- ASUS Q-Slot

Operating System Support Windows® 8

Windows® 7

Back I/O Ports  1 x PS/2 keyboard (purple)

1 x PS/2 mouse (green)

1 x DVI

1 x D-Sub

1 x LAN (RJ45) port(s)

2 x USB 3.0

4 x USB 2.0

3 x Audio jack(s)

Internal I/O Ports 1 x USB 3.0 connector(s) support(s) additional 2 USB 3.0 port(s) (19-pin)

2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s)

1 x COM port(s) connector(s)

4 x SATA 6Gb/s connector(s)

2 x SATA 3Gb/s connector(s)

1 x CPU Fan connector(s) (1 x 4 -pin)

2 x Chassis Fan connector(s) (2 x 4 -pin)

1 x S/PDIF out header(s)

1 x 24-pin EATX Power connector(s)

1 x 8-pin ATX 12V Power connector(s)

1 x Front panel audio connector(s) (AAFP)

1 x System panel(s)

1 x Clear CMOS jumper(s)

**Accessories**

User's manual

I/O Shield

2 x SATA 6Gb/s cable(s)

**BIOS**

128 Mb Flash ROM, UEFI AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.7, ACPI 4.0a, Multi-language BIOS, ASUS EZ Flash 2, ASUS CrashFree BIOS 3, My Favorites, Quick Note, Last Modified Log, F12 PrintScreen Function, F3 Shortcut Function and ASUS DRAM SPD (Serial Presence Detect) memory information

**Manageability**

WfM 2.0, DMI 2.0, WOL by PME, PXE

**Support Disc**

Drivers

ASUS Utilities

EZ Update

Anti-virus software (OEM version)

**Form Factor**

ATX Form Factor

12.0 inch x 8.2 inch ( 30.5 cm x 20.8 cm )

**Note**

*1: These functions will work depending on the CPU installed.

*2: Use a chassis with HD audio module in the front panel to support an 8-channel audio output